

Application No.: 09/714,283

IN THE CLAIMS:

Please amend the claims as follows:

1. (Previously presented) An image processor comprising:

a display which presents an image of an object thereon;

and

an image synthesizer which generates a scale image, representing a substantially real size, at a position specified on the image presented on the display in accordance with three-dimensional positional information of the object and for combining the scale image with the image of the object,

wherein a synthesized image, obtained by combining the scale image with the object image, is presented on the display.

2. (Previously presented) The processor of Claim 1, further comprising:

an imaging section which captures the object image containing the three-dimensional positional information; and

a range image generator which draws the three-dimensional positional information from the image captured by the imaging section,

wherein the image synthesizer generates the scale image in accordance with the three-dimensional positional information obtained by the range image generator.

3. (Previously presented) The processor of Claim 2, wherein the imaging section comprises a light-emitting device that projects light with a predetermined radiation pattern onto the object and captures the object image containing the three-dimensional positional information by receiving part of the light that has been projected onto, and then reflected from, the object.

Application No.: 09/714,283

4. (Original) The processor of Claim 1, further comprising an imaging section having an automatic or manual focusing controller,

wherein the image synthesizer generates the scale image by using data, which represents a distance of the object and is obtained by the automatic or manual focusing controller, as the three-dimensional positional information.

5. (Original) The processor of Claim 1, wherein the scale image represents a shape of a ruler.

6. (Previously presented) The processor of Claim 1, further comprising an input device that is so constructed as to allow a user to externally input the specified position.

7. (Previously presented) The processor of Claim 6, wherein the input device is a touch panel formed on the surface of the display.

8. (Previously presented) The processor of Claim 6, wherein the input device is a penlike pointing device that is so constructed as to allow the user to specify arbitrary coordinates on the surface of the display.

9. (Previously presented) The processor of Claim 6, wherein the input device is a cursor key, mouse or press button that allows the user to move a cursor presented on the display and to specify coordinates of the cursor.

10. (Previously presented) An image processor comprising:

a display which presents an image of an object thereon;

and

an image synthesizer which combines respective images of multiple objects together in accordance with three-dimensional positional information of the objects so that at least one of the object images is scaled up or down according to a desired size relationship,

Application No.: 09/714,283

wherein a synthesized image, obtained by combining the multiple images together, is presented on the display.

11. (Original) The processor of Claim 10, wherein the image synthesizer combines the image of one of the objects, which has been separated from a background image, with another background image.

12. (Original) The processor of Claim 11, wherein the image synthesizer cuts out an image portion, which is made up of pixels at respective locations associated with distances falling within a predetermined range, as the separated object image from the image.

13. (Previously presented) The processor of Claim 10, further comprising:
an imaging section which captures the object images containing the three-dimensional positional information; and
a range image generator for drawing the three-dimensional positional information from the images captured by the imaging section,

wherein the image synthesizer combines the images together in accordance with the three-dimensional positional information obtained by the range image generator.

14. (Previously presented) The processor of Claim 13, wherein the imaging section comprises a light-emitting device that projects light with a predetermined radiation pattern onto the at least one object and captures the object image containing the three-dimensional positional information by receiving part of the light that has been projected onto, and then reflected from, the object.

15. (Original) The processor of Claim 10, further comprising an imaging section having an automatic or manual focusing controller,

Application No.: 09/714,283

wherein the image synthesizer combines the images together by using data, which represents distances of the objects and is obtained by the automatic or manual focusing controller, as the three-dimensional positional information.

16. (Original) The processor of Claim 10, wherein the image synthesizer is so constructed as to upscale, downscale or rotate at least one of the images.

17. (Original) The processor of Claim 10, which is so constructed as to allow a user to externally define or change relative positions of the images being combined.

18. (Previously presented) An image processor comprising
a display which presents an image of an object thereon
and

an image synthesizer which generates an image, representing the object substantially in its real size when presented on the display, by scaling the image up or down in accordance with three-dimensional positional information of the object obtained from the image of the object,

wherein the image, representing the object substantially in its real size, is presented on the display.

19. (Cancelled)

20. (Cancelled)

21. (Previously presented) The image processor of Claim 1, wherein the image synthesizer calculates the real size of the object based on the image of the object.

22. (Previously presented) The image processor of Claim 10, wherein the image synthesizer calculates the real size of the object based on the image of the object.

23. (Previously presented) An image processor comprising:
a display which presents an image of an object thereon; and

Application No.: 09/714,283

an image synthesizer which combines respective images of multiple objects together in accordance with three-dimensional positional information of the objects so that alignment points specified at the respective images coincide with each other in three-dimensional position and in such a manner as to meet a desired size relationship three-dimensionally by processing the respective images to have the same focal length,

wherein a synthesized image, obtained by combining the multiple images together is presented on the display.

24. (New) The processor of Claim 1, wherein the scale image and the image of the object are combined in accordance with the three-dimensional positional information of the object.

25. (New) The processor of Claim 10, wherein the multiple images are combined in accordance with their respective three-dimensional positional information.

26. (New) The processor of Claim 23, wherein the multiple images are combined in accordance with their respective three-dimensional positional information.